

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

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Administration Schemas

Information

No object selected

Query 1 SQL File 3: x

```

1 CREATE DATABASE EmployeeDB;
2 USE EmployeeDB;
3 CREATE TABLE Emp1 (
4     empno INT PRIMARY KEY,
5     ename VARCHAR(50),
6     job VARCHAR(50),
7     mgr INT,
8     hiredate DATE,
9     sal DECIMAL(10,2),
10    comm DECIMAL(10,2),
11    deptno INT
12 );
13

```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

#	Time	Action	Message	Duration / Fetch
1	18.03.17	CREATE TABLE Emp1 (empno INT PRIMARY KEY, ename VARCHAR(50), job VARCHAR(50), mgr IN...	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SCH...	0.000 sec
2	18.04.10	CREATE DATABASE EmployeeDB	1 row(s) affected	0.015 sec
3	18.06.16	USE EmployeeDB	0 row(s) affected	0.000 sec
4	18.06.27	CREATE TABLE Emp1 (empno INT PRIMARY KEY, ename VARCHAR(50), job VARCHAR(50), mgr IN...	0 row(s) affected	0.047 sec

Context Help Snippets

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Query 1 SQL File 3: x

```

19 (8698, 'BINA', 'MANAGER', 8839, '1991-05-01', 2850.00, NULL, 30),
20 (8882, 'SHIVANSH', 'MANAGER', 8839, '1991-05-09', 2450.00, NULL, 10),
21 (8883, 'SCOTT', 'ANALYST', 8566, '1992-12-09', 3000.00, NULL, 20),
22 (8839, 'AHIR', 'PRESIDENT', NULL, '1991-11-18', 5000.00, NULL, 10),
23 (8844, 'KULDEEP', 'SALESMAN', 8698, '1991-09-08', 1500.00, 0.00, 30),
24 select*from Emp1;
25

```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

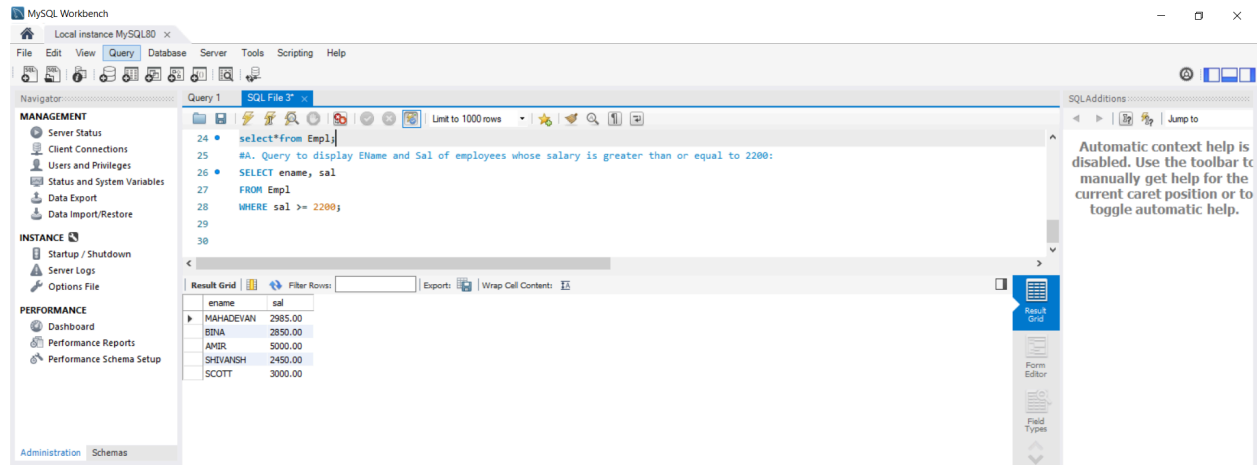
empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL	20
8499	ANYA	SALESMAN	8698	1991-02-20	1600.00	300.00	30
8521	SETH	SALESMAN	8698	1991-02-22	1250.00	500.00	30
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL	20
8654	MOMIN	SALESMAN	8698	1991-09-28	1250.00	1400.00	30
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL	30
8839	AMR	PRESIDENT	NULL	1991-11-18	5000.00	NULL	10
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00	30
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL	10
8883	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL	20

Output

#	Time	Action	Message	Duration / Fetch
1	18.03.17	CREATE TABLE Emp1 (empno INT PRIMARY KEY, ename VARCHAR(50), job VARCHAR(50), mgr I...	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SCH...	0.000 sec
2	18.04.10	CREATE DATABASE EmployeeDB	1 row(s) affected	0.015 sec
3	18.06.16	USE EmployeeDB	0 row(s) affected	0.000 sec
4	18.06.27	CREATE TABLE Emp1 (empno INT PRIMARY KEY, ename VARCHAR(50), job VARCHAR(50), mgr I...	0 row(s) affected	0.047 sec
5	18.07.19	INSERT INTO Emp1 (empno, ename, job, mgr, hiredate, sal, comm, deptno) VALUES (8369, 'SMITH', 'CLERK', 8...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
6	18.07.37	select*from Emp1 LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Context Help Snippets

A. Query to display EName and Sal of employees whose salary is greater than or equal to 2200:



The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

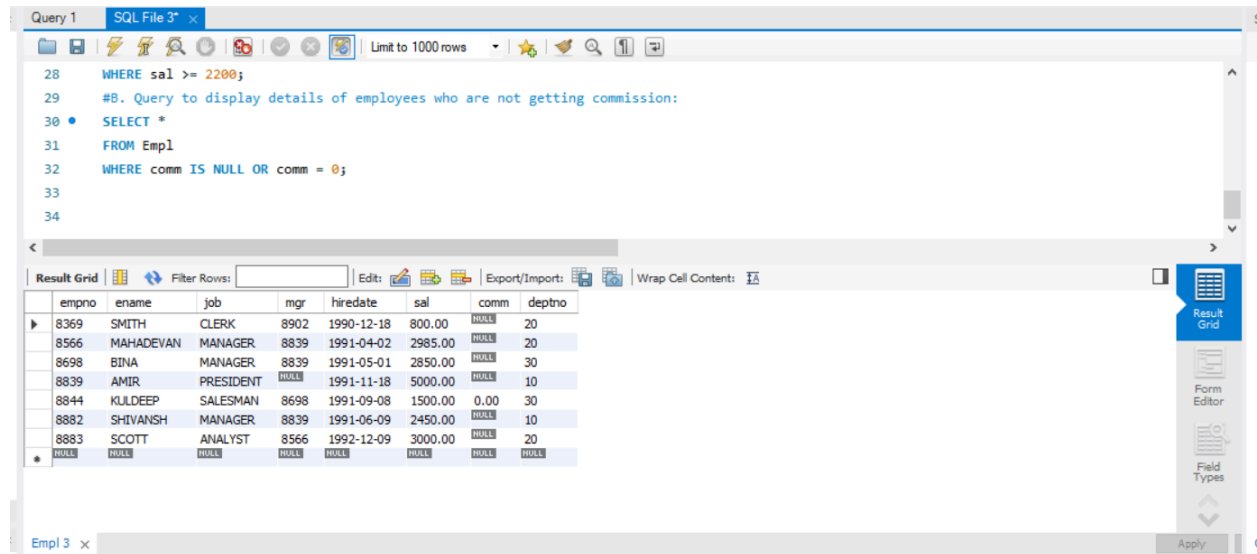
```
24 • select*from Emp1
25 #A. Query to display EName and Sal of employees whose salary is greater than or equal to 2200:
26 • SELECT ename, sal
27 FROM Emp1
28 WHERE sal >= 2200;
29
30
```

The Results tab shows the following data:

ename	sal
MAHADEVAN	2985.00
BINA	2850.00
AMIR	5000.00
SHIVANSH	2450.00
SCOTT	3000.00

On the right side, a message states: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

B. Query to display details of employees who are not getting commission:



The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
28 WHERE sal >= 2200;
29 #B. Query to display details of employees who are not getting commission:
30 • SELECT *
31 FROM Emp1
32 WHERE comm IS NULL OR comm = 0;
33
34
```

The Results tab shows the following data:

empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL	20
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL	20
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL	30
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL	10
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00	30
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL	10
8883	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL	20
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

At the bottom, there is a tab labeled "Emp1 3" and an "Apply" button.

C. Query to display employee name and salary of employees whose salary is **not** in the range 2500 to 4000:

The screenshot shows the SQL Developer interface with a query window. The query is as follows:

```
32 WHERE comm IS NULL OR comm = 0;  
33 #C. Query to display employee name and salary of employees whose salary is not in the range 2500 to 4000:  
34 • SELECT ename, sal  
35 FROM Emp1  
36 WHERE sal < 2500 OR sal > 4000;  
37  
38
```

The result grid below the query shows the following data:

ename	sal
SMITH	800.00
ANYA	1600.00
SETH	1250.00
MOMIN	1250.00
AMIR	5000.00
KULDEEP	1500.00
SHIVANSH	2450.00

The interface also includes a toolbar at the top with icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Filter Rows' input field. On the right side, there are buttons for 'Result Grid', 'Form Editor', and 'Field Types'. The status bar at the bottom indicates 'Emp1 4' and 'Read Only'.

D. Query to display the name, job title, and salary of employees who don't have a manager:

The screenshot shows the SQL Developer interface with a query window. The query is as follows:

```
37 #D. Query to display the name, job title, and salary of employees who don't have a manager:  
38 • SELECT ename, job, sal  
39 FROM Emp1  
40 WHERE mgr IS NULL;  
41  
42  
43
```

The result grid below the query shows the following data:

ename	job	sal
AMIR	PRESIDENT	5000.00

The interface also includes a toolbar at the top with icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Filter Rows' input field. On the right side, there are buttons for 'Result Grid', 'Form Editor', and 'Field Types'. The status bar at the bottom indicates 'Query 1' and 'SQL File 3'.

E. Query to display the name of an employee whose name contains "A" as the third alphabet:

Query 1 SQL File 3* x

Limit to 1000 rows

```
41 #E. Query to display the name of an employee whose name contains "A" as the third alphabet:
42 • SELECT ename
43 FROM Emp1
44 WHERE SUBSTRING(ename, 3, 1) = 'A';
45
46
47
```

Result Grid Filter Rows: Export: Wrap Cell Content:

ename

Result Grid
Form Editor
Field Types

F. Query to display the name of an employee whose name contains "T" as the last alphabet:

Query 1 SQL File 3* x

Limit to 1000 rows

```
46 • SELECT ename
47 FROM Emp1
48 WHERE ename LIKE '%T';
49
50
51
52
```

Result Grid Filter Rows: Export: Wrap Cell Content:

ename
SCOTT

Result Grid
Form Editor
Field Types